

Drying ovens equipment	IND	EC ECO	DC ECO	VC ECO	SC ECO	VU ECO	VU EVO
Fan revolutions 10-100%		-	-	•	-	-	-
Acoustic alarm		•	•	•	•	•	•
Visual alarm		•	•	•	•	•	•
Protective thermostat type		Typ 2	Typ 2	Typ 2	Typ 2	Typ 2	Typ 2
Users access administration/ keyboard blocking		•	•	•	-	•	-
Users access administration/ password-adjustable		-	-	-	-	-	•
Main switch		-	-	-	-	•	•
Chrome-plated tray		2+o	-	2+o	-	-	-
Stainless steel tray		o	2+o	o	2+o	-	-
Stainless steel perforated shelf/ non-perforated in case of Vu		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o	o	o
Chamber without tray holders and trays		o	o	o	o	-	-
Aluminium shelf		-	-	-	-	2+o	2+o
Test tubes holder (Loewenstein)		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Shelf for test tubes ø 16 mm		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Shelf for test tubes ø 22 mm		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Drip tray		o	o	o	o	-	-
Suspension system for samples below the chamber ceiling		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Left door	01	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Door lock (the same key for the order)		o	o	o	o	o	o
Door lock (various keys for the order)		o	o	o	o	o	o
Automatic door lock	02	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o	o
Automatic door lock (for passing modification)		-	-	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Stainless steel shell modification		o	o	o	o	o	o
Stainless steel interior mat. No 1.4301/304		•	•	•	•	o <sup>10)</sup>	o <sup>10)</sup>
Stainless steel interior mat. No 1.4404/316L		o	o	o	o	o <sup>10)</sup>	o <sup>10)</sup>
Flexible PT sensor (max. number)	03	o 1	o 1	o 1	o 1	o 1	o 4
Flexible PT sensor via the doors (max. number)	03+	Δ 1	Δ 1	o 1	o 1	-	-
Flexible PT sensor at the temperature of 300°C	03+15	o	-	o	o	Δ	Δ
Port ø 25 mm R ( centre/centre)		o	o	o	o	-	-
Port ø 25 mm L ( centre/centre)		o	o	o	o	-	-
Port ø 50 mm R ( centre/centre)		o	o	o	o	top 40	top 40
Port ø 50 mm L ( centre/centre)		o	o	o	o	-	-
Port ø 100 mm R ( centre/centre)		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-	-
Port ø 100 mm L ( centre/centre)		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-	-
Port – special shape or position		Δ	Δ	Δ	-	Δ	Δ
Window and light (max. up to 250°C)	04	Δ <sup>1)</sup>	-	Δ <sup>1)</sup>	-	• <sup>9)</sup>	• <sup>9)</sup>
Interior lighting (without window)		o <sup>1)</sup>	-	o <sup>1)</sup>	-	-	o
Passage modification (including covering sheets on unloading site)	05	-	-	o <sup>1, 7)</sup>	o <sup>1)</sup>	-	-
Covering sheets for the unloading site		-	-	o <sup>1, 7)</sup>	o <sup>1)</sup>	-	-
Special modification of cases for insulator technologies		Δ	Δ	Δ	Δ	Δ	Δ
Loading system		o <sup>1, 2, 3, 4)</sup>	-	o <sup>1, 2, 3, 4)</sup>	o <sup>1, 2, 3, 4)</sup>	-	-
H13 HEPA filter 99,95%	06	-	-	o	o	-	-
Overpressure in chamber incl. HEPA H13	07	-	-	o	o	-	-
H14 HEPA filter 99,995%	06+	-	-	o	o	-	-
Overpressure in chamber incl. HEPA H14 99,995%	07+	-	-	o	o	-	-
Measuring of overpressure in the chamber		Δ	-	Δ	Δ	-	-
Modification without particles		Δ	Δ	o	o	Δ	Δ
Chimney prolongation – direct		o	o	o	o	-	-
Chimney prolongation 90°		o	o	o	o	-	-
Chimney prolongation – direct (with condensate removal)		o	o	o	o	-	-
Chimney prolongation 90° (with condensate removal)		o	o	o	o	-	-
Manual flap		•	•	•	•	-	-
Automatic flap		-	-	-	-	-	-
Modification of device without with castors to adjustable feet		o <sup>1, 2, 3, 4)</sup>	-	o <sup>1, 2, 3, 4)</sup>	o <sup>1, 2, 3, 4)</sup>	-	-
Modification of device without castors to device with castors		o <sup>1, 5, 6, 7)</sup>	o <sup>1)</sup>	o <sup>1, 5, 6, 7)</sup>	o <sup>1, 5)</sup>	-	-
Castors with extending feet (levelling castors)		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>1)</sup>	-	-
Increased bearing capacity / reinforced frame of the chamber + built-in frame		Δ <sup>1)</sup>	-	Δ <sup>1)</sup>	-	-	-
Increased bearing capacity of shelves		o <sup>1)</sup>	-	o <sup>1)</sup>	-	-	-
Increased bearing capacity of the chamber bottom		Δ <sup>1)</sup>	-	Δ <sup>1)</sup>	-	-	-
Table for the device / Vacustation VU		o <sup>1, 5, 6, 7)</sup>	o <sup>1)</sup>	o <sup>1, 5, 6, 7)</sup>	o <sup>1, 5)</sup>	o	o
Vacuum pump Vacubrandt MZ2CNT+AK+EK		-	-	-	-	o	o
Vacuum pump Vacubrandt MD4CNT+AK+EK		-	-	-	-	o	o
Vacuum pump on request		-	-	-	-	Δ	Δ
Special electric port		-	-	-	-	Δ	Δ
Open door alarm		o	o	o	•	o	•
RAMPY		o	o	o	-	o	•
Aggressive heating		o	o	o	o	•	•
Inner socket max. 125°C (230 V, protection 3 A)	08	Δ <sup>1)</sup>	-	Δ <sup>1)</sup>	-	Δ	Δ

	IND	EC ECO	DC ECO	VC ECO	SC ECO	VU ECO	VU EVO
Potential-free contact (BMS)- remote alarm 24V/1A		o	o	o	o	o	o
External flap switching - max. A		o	o	o	o	-	-
Emergency stop		Δ <sup>1)</sup>	Δ <sup>1)</sup>	Δ <sup>1)</sup>	-	Δ	Δ
National socket design		Δ	Δ	Δ	Δ	Δ	Δ
Operation temperature movement [°C]	15	o (+300) <sup>5, 6)</sup>	-	o (+300) <sup>8)</sup>	o (+300) <sup>8)</sup>	-	o (+300)
Hot-air sterilization		-	-	o	•	-	-
Short-time memory - approximately 1 day		•	•	•	•	•	-
Integrated datalogger > 1 year		-	-	-	-	-	•
Inert gas connection or aeration		-	-	-	-	manual	•
Vacuum pump switching by a button		-	-	-	-	•	-
Automatic vacuum pump switching		-	-	-	-	o	•
Manual vacuum regulation - manometer +needle valve		-	-	-	-	•	-
Automatic vacuum regulation (10-1100 mbar) without aeration		-	-	-	-	o	-
Automatic vacuum regulation (0.1-1100 mbar) without aeration		-	-	-	-	o	-
Automatic vacuum regulation (10-1100 mbar) with aeration		-	-	-	-	o	•
Automatic vacuum regulation (0.1-1100 mbar) with aeration		-	-	-	-	o	o
Digital vacuum display		-	-	-	-	o	•
Analogue output 4-20mA		o T	o T	o T	o T	o T,p	o T,p
Software WarmComm 4 Basic (B)		o	o	o	o	o	o
Software WarmComm 4 Professional (P)		o	o	o	o	o	o
Software WarmComm 4 FDA (F)		o	o	o	o	o	o
External printer		o	o	o	o	o	o
Communicatin software Printer Archive		o	o	o	o	o	o
Inner temperature measuring, 1-point		o	o	o	o	o	o
Temperature distribution measuring, 3-point		o	o	o	o	o	o
Temperature distribution measuring, 9-point (DIN 12880)		o	o	o	o	o	o
Temperature distribution measuring, 27-point (DIN 12880)		o	o	o	o	o	o
Validation documentation		o	o	o	o	o	o
<ul style="list-style-type: none"> <li>• in standard equipment</li> <li>o optional</li> <li>- cannot be ordered</li> <li>Δ possible, with reservations</li> </ul>		o <sup>1)</sup> , • <sup>1)</sup> , Δ <sup>1)</sup> with note <sup>1)</sup> except for volume 22 <sup>2)</sup> except for volume 55 <sup>3)</sup> except for volume 111 <sup>4)</sup> except for volume 222 <sup>5)</sup> except for volume 404					<sup>6)</sup> except for volume 707 <sup>7)</sup> except for volume 1,212 <sup>8)</sup> for volume 404, 707 only in stainless steel design <sup>9)</sup> no light <sup>10)</sup> only inner equipment of the chamber, the chamber is always of 1.4404/316L

WARNING: some combinations of optional equipment are excluded

**Explanatory notes:**

- EC ECO - ECOCELL® ECO line
- DC ECO - DUROCELL ECO line
- VC ECO - VENTICELL® ECO line
- SC ECO - STERICELL® ECO line
- VU ECO - VACUCELL® ECO line
- VU EVO - VACUCELL® EVO line

Incubators equipment	IND	IC ECO	IC-V ECO	FC ECO	FC EVO	CLC ECO	CLC EVO	CO2 S	CO2 C
Fan revolutions 10-100%		-	•	•	•	•	•	-	-
Acoustic alarm		•	•	•	•	•	•	•	•
Visual alarm		•	•	•	•	•	•	•	•
Protective thermostat type		Typ 3	Typ 3	Typ 3	Typ 3	Typ 3	Typ 3	-	-
Aggressive heating		•	•	•	•	•	•	-	-
Main switch		-	-	•	•	•	•	•	•
Chrome-plated tray		2+o	2+o	-	-	-	-	-	-
Stainless steel tray		o	o	2+o	2+o	2+o	2+o	-	-
Stainless steel perforated shelf		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	4+o	4+o <sup>12)</sup>
Chamber without tray holders and trays		o	o	o	o	o	o	-	-
Test tubes holder (Loewenstein)		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Shelf for test tubes ø 16 mm		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Shelf for test tubes ø 22 mm		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Drip tray		o	o	o	o	o	o	•	•
Suspension system for samples below the chamber ceiling		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Left door	01	o <sup>1)</sup>	o <sup>1)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o	o
Door lock (the same key for the order)		o	o	o	o	o	o	-	-
Door lock (various keys for the order)		o	o	o	o	o	o	-	-
Automatic door lock	02	o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	•
Stainless steel jacket		o	o	o	o	o	o	-	-
Stainless steel interior mat. No 1.4301/304		•	•	•	•	•	•	•	-
Stainless steel interior mat. No 1.4404/316L		o	o	Δ	Δ	Δ	Δ	-	•
Inner glass door ESG		•	•	•	-	•	-	-	-
Inner tight glass door ESG		-	-	-	•	-	•	•	•
Flexible PT sensor (max. number)	03	o 1	o 1	o 1	o 4	o 1	o 4	-	-
Flexible PT sensor via the doors (max. number)	03+	o 1	o 1	Δ 1	Δ 4	Δ 1	Δ 4	-	-
Port ø 25 mm R ( centre/centre)		o	o	o	o	o	o	◊	◊
Port ø 25 mm L ( centre/centre)		o	o	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	-	-
Port ø 50 mm R ( centre/centre)		o	o	o	o	o	o	-	-
Port ø 50 mm L ( centre/centre)		o	o	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	-	-
Port ø 100 mm R ( centre/centre)		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Port ø 100 mm L ( centre/centre)		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	-	-
Port – special shape or position		Δ	Δ	Δ	Δ	Δ	Δ	-	-
Window and light (max. up to 250°C)	04	Δ <sup>1)</sup>	Δ <sup>1)</sup>	Δ	o	Δ	o	-	-
Interior lighting (without window)		o	o	o	o	o	o	-	-
Special modification of cases for insulator technologies		Δ	Δ	Δ	Δ	Δ	Δ	-	-
Modification without particles		Δ	Δ	-	-	-	-	-	-
Chimney prolongation – direct		o	o	-	-	-	-	-	-
Chimney prolongation 90°		o	o	-	-	-	-	-	-
Chimney prolongation - direct (with condensate removal)		o	o	-	-	-	-	-	-
Chimney prolongation 90° (with condensate removal)		o	o	-	-	-	-	-	-
Exhaust chimney		•	•	Δ	Δ	Δ	Δ	-	-
Manual flap		•	•	-	-	-	-	-	-
Anti-drying modification		o	o	-	-	-	-	•	•
Modification of device without with castors to adjustable feet		o <sup>1, 2, 3, 4)</sup>	o <sup>1, 2, 3, 4)</sup>	o <sup>2, 3)</sup>	o <sup>2, 3)</sup>	o	o	-	-
Modification of device without castors to device with castors		o <sup>1, 5, 6, 7)</sup>	o <sup>1, 5, 6, 7)</sup>	o <sup>4, 5, 6, 7)</sup>	o <sup>4, 5, 6, 7)</sup>	-	-	-	-
Castors with extending feet (levelling castors)		o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Increased bearing capacity / reinforced frame of the chamber + built-in frame		Δ <sup>1)</sup>	Δ <sup>1)</sup>	Δ	Δ	Δ	Δ	-	-
Increased bearing capacity of shelves		o <sup>1)</sup>	o <sup>1)</sup>	o <sup>7)</sup>	o <sup>7)</sup>	o <sup>7)</sup>	o <sup>7)</sup>	-	-
Increased bearing capacity of the chamber bottom		Δ <sup>1)</sup>	Δ <sup>1)</sup>	Δ <sup>7)</sup>	Δ <sup>7)</sup>	Δ <sup>7)</sup>	Δ <sup>7)</sup>	-	-
Table for the device / Vacustation VU		o <sup>1, 5, 6, 7)</sup>	o <sup>1, 5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	o <sup>5, 6, 7)</sup>	-	-	o	o
Open door alarm		o	o	o	•	o	•	-	-
RAMPS		o	o	o	•	•	•	-	•
Administration of users' access / keyboard blocking		•	•	•	-	•	-	-	•
Administration of users' access - password		-	-	-	•	-	•	-	•
Inner socket max. 125°C (230 V, protection 3 A)	08	o <sup>1)</sup>	o <sup>1)</sup>	o	o	o	o	-	-
Potential-free contact (BMS) - remote alarm 24V/1A		o	o	o	o	o	o	•	•
Spinal external flaps max.A		o	o	-	-	-	-	-	-
Emergency stop		Δ <sup>1)</sup>	Δ <sup>1)</sup>	Δ	Δ	Δ	Δ	-	-
National socket design		Δ	Δ	Δ	Δ	Δ	Δ	-	-
Operation temperature movement [°C]	15	-	-	o (-10)	o (-20)	o (-10)	o (-20)	-	-
Hot-air decontamination (°C)	09	-	o (+190)	-	o (+160)	-	o (+160)	o <sup>14)</sup>	o
Regulation of CO <sub>2</sub> 0-20% (-20 up to 55°C) without decontamination	10	-	-	-	o <sup>6)</sup>	-	o <sup>6)</sup>	•	•

	IND	IC ECO	IC-V ECO	FC ECO	FC EVO	CLC ECO	CLC EVO	CO2 S	CO2 C
Regulation of CO <sub>2</sub> 0-20% ( 0 up to 65°C) possible decontamination	10+	-	-	-	o <sup>6)</sup>	-	o <sup>6)</sup>	-	-
One-way CO <sub>2</sub> valve		-	-	-	o <sup>6)</sup>	-	o <sup>6)</sup>	o	o
Short-time memory - approximately 1 day		•	•	•	-	•	-	-	-
Integrated datalogger > 1 year		-	-	-	•	-	•	-	•
Inert gas connection		Δ	Δ	Δ	Δ	Δ	Δ	-	-
Cooling without defrosting		-	-	•	•	•	•	-	-
Cooling with defrosting	11	-	-	o 0	o 0	o 0	o 0	-	-
Compressor cooling system R134a (°C)		-	-	• (-10)	•	• (-10)	•	-	-
Compressor cooling system R449a		-	-	-	o (-20)	-	o (-20)	-	-
Cooling system Peltier	13	-	-	-	-	-	-	-	-
Cooling system Peltier – storage	14	-	-	-	-	-	-	-	-
Exposition / stimulation lighting, white / daylight in the door	E+D+V	-	-	o	o	o	o	-	-
LED exposition lighting in the door	E+L+D+V	-	-	o	o	o	o	-	-
Exposition lighting, shelf VIS	E+P+V	-	-	o <sup>2)</sup>	o <sup>2)</sup>	o	o	-	-
Exposition lighting, shelf UV	E+P+U	-	-	o <sup>2)</sup>	o <sup>2)</sup>	o	o	-	-
Exposition lighting, shelf MIX	E+P+M	-	-	o <sup>2)</sup>	o <sup>2)</sup>	o	o	-	-
LED light shelves, VIS	E+L+P+V	-	-	o <sup>2)</sup>	o <sup>2)</sup>	o	o	-	-
LED light shelves, UV	E+L+P+U	-	-	-	-	-	-	-	-
Light exposition control, VIS (maximal number in total)	S+V	-	-	-	• (4)	-	• (4)	-	-
Light exposition control, UV (maximal number in total)	S+U	-	-	-	• (4)	-	• (4)	-	-
Integrated light sensor VIS, including control (max)		-	-	-	o (4)	-	o (4)	-	-
Integrated light sensor UV, including control (max)		-	-	-	o (4)	-	o (4)	-	-
Analogue output 4-20mA		o T	o T	o T	o T, CO <sub>2</sub>	o T, RH	o T, RH, CO <sub>2</sub>	-	-
Software WarmComm 4 Basic (B)		o	o	o	o	o	o	-	-
Software WarmComm 4 Professional (P)		o	o	o	o	o	o	-	-
Software WarmComm 4 FDA (F)		o	o	o	o	o	o	-	-
External printer		o	o	o	o	o	o	-	-
Communicatin software Printer Archive		o	o	o	o	o	o	-	-
Inner temperature measuring, 1-point		o	o	o	o	o	o	o	o
Temperature distribution measuring, 3-point (DIN 12880)		o	o	o	o	o	o	o	o
Temperature distribution measuring, 9-point (DIN 12880)		o	o	o	o	o	o	o	o
RH measuring, 1-point		-	-	-	-	o	o	-	-
DIN 12880 measuring, 27-point		o	o	o	o	o	o	o	o
Validation documentation		o	o	o	o	o	o	o	o
3 - sectional inner door		-	-	-	-	-	-	o	o <sup>13)</sup>
8 - sectional inner door		-	-	-	-	-	-	o	o <sup>14)</sup>
O <sub>2</sub> concentration control within the range of 1-19%	17	-	-	-	o	-	o	-	o
Displaying Rh/Alarm Rh		-	-	-	-	-	-	-	o
Stacking set for two devices		-	-	-	-	-	-	o	o
Two-way CO <sub>2</sub> valve		-	-	-	o <sup>6)</sup>	-	o <sup>6)</sup>	o	o
Automatic exchange unit of CO <sub>2</sub> input		-	-	-	o <sup>6)</sup>	-	o <sup>6)</sup>	o	o
<ul style="list-style-type: none"> <li>• in standard equipment</li> <li>o optional</li> <li>- cannot be ordered</li> <li>Δ possible, with reservations</li> <li>◊ from the rear side of the device</li> </ul>		o <sup>1)</sup> , • <sup>1)</sup> , Δ <sup>1)</sup> with note							
		<sup>1)</sup> except for volume 22							
		<sup>2)</sup> except for volume 55							
		<sup>3)</sup> except for volume 111							
		<sup>4)</sup> except for volume 222							
		<sup>5)</sup> except for volume 404							
								<sup>6)</sup> except for volume 707	
								<sup>7)</sup> except for volume 1,212	
								<sup>12)</sup> for volume 50 I only 3 shelves	
								<sup>13)</sup> only for volume 50 I	
								<sup>14)</sup> only for volume 190 I	

WARNING: some combinations of optional equipment are excluded

**Explanatory notes:**

- IC ECO - INCUCELL® ECO line
- IC-V ECO - INCUCELL® v ECO line
- FC ECO - FRIOCELL® ECO line
- FC EVO - FRIOCELL® EVO line
- CLC ECO - CLIMACELL® ECO line
- CLC EVO - CLIMACELL® EVO line
- CO2 S - CO2CELL Standard
- CO2 C - CO2CELL Comfort